

ABSTRACT OF THE DISCLOSURE

The foregoing invention relates to a new microbubble preparation and thrombolytic therapy which relies on microbubbles and ultrasound for its lytic activity. The pharmaceutical composition of the invention comprises a liquid solution of microbubbles with an internal atmosphere enhanced with the perfluorocarbon gas which cavitate in the presence of an ultrasound field following intravenous injection or infusion of said composition into said host. For thrombolysis the area of a thrombus is exposed to an ultrasound field in the presence of the microbubbles and significant lysis is experienced. The method and pharmaceutical composition of the invention exhibit thrombolytic properties similar to those of other thrombolytic agents such as urokinase and are less toxic and are clot specific in that they do not introduce a systemic lytic state to a said animal.

100-6628560